

Ideation Phase


Brainstorm & Idea Prioritization

Date	24 September 2022
Team ID	PNT2022TMID30150
Project Name	VirtualEye - Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	4 Marks

Brainstorm & Idea Prioritization:




Step-1: Team Gathering, Collaboration and Select the Problem Statement

Template




Brainstorm & idea prioritization

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you're not sitting in the same room.


 10 minutes to prepare
 1 hour to collaborate
 2-8 people recommended

[Share template feedback](#)



Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

 10 minutes

A

Team gathering

Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.

B

Set the goal


Think about the problem you'll be focusing on solving in the brainstorming session.

C

Learn how to use the facilitation tools


Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →



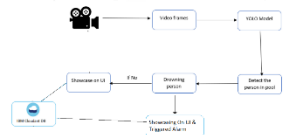
Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

 5 minutes

PROBLEM

How might we build an algorithm to detect the drowning person and rescue them in swimming pool?



Step-2: Brainstorm, Idea Listing and Grouping

2

Brainstorm

Write down any ideas that come to mind that address your problem statement.

🕒 10 minutes

KAVIYA K

Image
Detection

object
Detect and
beeps
alarm

Setting
sensor in
goggles

wristband
with LED
setup and
alarm

AJITHA R

Active
Drone to
monitor

Skeleton
sketching
and
detection

Abnormal
activities
detection

Bracelet
to
detect
heartbeat

JOTHIKA S

Emit
light

Calculate
time
duration
under water

Image
extract
and alarm

Airbags

KAVITHA R

Wearable
device

Detect
through
wave
actions

Depth
sensor

Sensor
based
surveillance
camera

3

Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

🕒 20 minutes

SENSORS:

Setting
sensor in
goggles

Depth
sensor

Sensor
based
surveillance
camera

DEVICE USED:

Bracelet
to
detect
heartbeat

wristband
with LED
setup and
alarm

Wearable
device

Active
Drone to
monitor

Airbags

Emit
light

DETECTION:

Skeleton
sketching
and
Detection

Abnormal
activities
detection

Detect
through
wave
actions

Calculate
time
duration
under water

IMAGE DETECTION:

Image
Detection

Image
extract
and
alarm

object
Detect and
beeps
alarm

Step-3: Idea Prioritization

4

Prioritize

Your team should all be on the same page about what's important moving forward. Place your ideas on this grid to determine which ideas are important and which are feasible.

🕒 20 minutes

